

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10583121"	US-PGPUB; USPAT	OR	ON	2009/11/16 16:58
S2	2	(("6359211") or ("20040067613")).PN.	US-PGPUB; USPAT	OR	OFF	2010/02/25 16:45
S3	1	("6291763").PN.	US-PGPUB; USPAT	OR	OFF	2010/02/26 09:24
S4	5695	((solar or photovoltaic) with cell) and electrolyt\$2	US-PGPUB; USPAT	OR	ON	2010/02/26 09:42
S5	1649	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier	US-PGPUB; USPAT	OR	ON	2010/02/26 09:43
S6	524	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier and @py<"2004"	US-PGPUB; USPAT	OR	ON	2010/02/26 09:43
S7	466	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier and @py<"2004" and (deposit \$3 or coating or plating)	US-PGPUB; USPAT	OR	ON	2010/02/26 09:43
S8	125	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier and @py<"2004" and (deposit \$3 or coating or plating) and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 09:44
S9	17	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier and @py<"2004" and (electrolytic with (deposit \$3 or coating or plating)) and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 09:46
S10	19	((solar or photovoltaic) with cell) and electrolyt\$2 and barrier and @py<"2004" and (electrolytic with (deposit \$3 or coating or plating or treat\$4 or processing)) and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 09:46
S11	7151	@py<"2004" and "titanium dioxide" same glass	US-PGPUB; USPAT	OR	ON	2010/02/26 09:54

S12	2548	@py<"2004" and ("titanium dioxide" same glass and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 09:54
S13	57	@py<"2004" and ("titanium dioxide" same glass and dye and ("solar cell" or "photovoltaic cell")	US-PGPUB; USPAT	OR	ON	2010/02/26 09:56
S14	53	@py<"2004" and ("titanium dioxide" same substrate and dye and ("solar cell" or "photovoltaic cell")	US-PGPUB; USPAT	OR	ON	2010/02/26 09:58
S15	73	@py<"2004" and ("titanium dioxide" same (substrate or glass)) and dye and ("solar cell" or "photovoltaic cell")	US-PGPUB; USPAT	OR	ON	2010/02/26 09:58
S16	130	@py<"2004" and ("titanium dioxide" same (substrate or glass)) and dye and ("solar cell" or photovoltaic or photoelectric)	US-PGPUB; USPAT	OR	ON	2010/02/26 10:45
S17	4	@py<"2004" and ("titanium dioxide" same (method near3 (making or manufactur\$3))) and dye and ("solar cell" or photovoltaic or photoelectric)	US-PGPUB; USPAT	OR	ON	2010/02/26 10:46
S18	91	@py<"2004" and ("titanium dioxide" and (method near3 (making or manufactur\$3))) and dye and ("solar cell" or photovoltaic or photoelectric)	US-PGPUB; USPAT	OR	ON	2010/02/26 10:46
S19	25	@py<"2004" and ("titanium dioxide" and (method near3 (making or manufactur\$3))) and dye and ("solar cell" or photovoltaic or photoelectric) and (electroly\$3 with (treatment or process\$3 or condition\$3 ))	US-PGPUB; USPAT	OR	ON	2010/02/26 10:48

S20	5	@py<"2004" and ("titanium dioxide" and (method near3 (making or manufactur\$3))) and dye and ("solar cell" or photovoltaic or photoelectric) and (electrolytic with (treatment or process\$3 or condition\$3 ))	US-PGPUB; USPAT	OR	ON	2010/02/26 10:50
S21	670	136/263.clas.	US-PGPUB; USPAT	OR	ON	2010/02/26 10:53
S22	4609	yoshikawa.in.	US-PGPUB; USPAT	OR	ON	2010/02/26 10:57
S23	20	yoshikawa.in. and "136". clas.	US-PGPUB; USPAT	OR	ON	2010/02/26 10:57
S24	12	yoshikawa.in. and "136". clas. and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 10:57
S25	89	@py<"2004" and ("titanium dioxide" same pulse)	US-PGPUB; USPAT	OR	ON	2010/02/26 13:13
S26	27	@py<"2004" and ("titanium dioxide" same pulse with (plat\$3 or deposit\$3 or coat\$3 or electrodeposit\$3 or electrocoat\$3 or electroplat (\$3)))	US-PGPUB; USPAT	OR	ON	2010/02/26 13:14
S27	146	@py<"2004" and ((reverse near1 pulse) with (plat\$3 or deposit\$3 or coat\$3 or electrodeposit \$3 or electrocoat\$3 or electroplat(\$3)))	US-PGPUB; USPAT	OR	ON	2010/02/26 13:18
S28	81	@py<"2004" and ((reverse near1 pulse) with (plat\$3 or deposit\$3 or coat\$3 or electrodeposit \$3 or electrocoat\$3 or electroplat(\$3))) and ("204". clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2010/02/26 13:18
S29	11	@py<"2004" and ((reverse near1 pulse) with (plat\$3 or deposit\$3 or coat\$3 or electrodeposit \$3 or electrocoat\$3 or electroplat(\$3))) and ("204". clas. or "205".clas.) and "metal oxide"	US-PGPUB; USPAT	OR	ON	2010/02/26 13:19

S30	484	136/263.cls. and ("titanium dioxide" or "metal oxide" or "photoactive layer" or semiconductor or photosensitive)	US-PGPUB; USPAT	OR	ON	2010/02/26 13:25
S31	458	136/263.cls. and ("titanium dioxide" or "metal oxide" or "photoactive layer" or semiconductor or photosensitive) and (electrodeposit\$3 or electroplat\$3 or coat\$3 or plat\$3 or electro-deposit \$3 or electro\$1deposit\$3 or (electrolytic with (treat \$4 or condition\$3 or process\$3)))	US-PGPUB; USPAT	OR	ON	2010/02/26 13:27
S32	358	136/263.cls. and ("titanium dioxide" or "metal oxide" or "photoactive layer" or semiconductor or photosensitive) and (electrodeposit\$3 or electroplat\$3 or coat\$3 or plat\$3 or electro-deposit \$3 or electro\$1deposit\$3 or (electrolytic with (treat \$4 or condition\$3 or process\$3))) and dye	US-PGPUB; USPAT	OR	ON	2010/02/26 13:27
S33	87	136/263.cls. and ("titanium dioxide" or "metal oxide" or "photoactive layer" or semiconductor or photosensitive) and (electrodeposit\$3 or electroplat\$3 or coat\$3 or plat\$3 or electro-deposit \$3 or electro\$1deposit\$3 or (electrolytic with (treat \$4 or condition\$3 or process\$3))) and dye and @py<"2004"	US-PGPUB; USPAT	OR	ON	2010/02/26 13:27

S34	16	136/263.cls. and ("titanium dioxide" or "metal oxide" or "photoactive layer" or semiconductor or photosensitive) and (electrodeposit\$3 or electroplat\$3 or electro-deposit\$3 or electro \$1deposit\$3 or (electrolytic with (treat\$4 or condition\$3 or process \$3))) and dye and @py<"2004"	US-PGPUB; USPAT	OR	ON	2010/02/26 13:32
S35	9	((IGOR) near2 (SKRYABIN)).INV.	US-PGPUB; USPAT	OR	ON	2010/02/26 14:22
S36	5	((GRAEME) near2 (EVANS)).INV.	US-PGPUB; USPAT	OR	ON	2010/02/26 14:22
S37	16	((IGOR) near2 (SKRYABIN)).INV.	EPO; JPO; DERWENT	OR	ON	2010/02/26 14:22
S38	6	((GRAEME) near2 (EVANS)).INV.	EPO; JPO; DERWENT	OR	ON	2010/02/26 14:22
S39	62	electrodeposit\$3 and ("constant current" same "constant voltage" same (switch\$2 or change))	US-PGPUB; USPAT	OR	ON	2010/02/26 15:30
S40	19	electrodeposit\$3 and ("constant current" same "constant voltage" same (switch\$2 or change)) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2010/02/26 15:30
S41	22	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat \$3) and ("constant current" same "constant voltage" same (switch\$2 or change)) and @py<"2004" and ("204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2010/02/26 15:31
S42	18	"5858199"	US-PGPUB; USPAT	OR	ON	2010/02/26 15:39

S43	25	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and ("constant current" same "constant voltage" same (switch\$2 or change)) and (@py<"2004" and ("204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2010/05/06 12:42
S44	13734	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and (@py<"2005" and ("204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2010/05/06 12:43
S45	234	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and (@py<"2005" and ("204".clas. or "205".clas.) and ("solar cell" or photovoltaic)	US-PGPUB; USPAT	OR	ON	2010/05/06 12:43
S46	5	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and (@py<"2005" and ("204".clas. or "205".clas.) and (dye with sensitized))	US-PGPUB; USPAT	OR	ON	2010/05/06 12:46
S47	124	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and (@py<"2005" and (dye with sensitized))	US-PGPUB; USPAT	OR	ON	2010/05/06 12:46
S48	1	"20020108649"	US-PGPUB; USPAT	OR	ON	2010/05/06 13:20

S49	3	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and @py< "2005" and (dye with sensitized)	EPO; JPO; DERWENT	OR	ON	2010/05/06 14:10
S50	0	"2006162765"	US-PGPUB; USPAT	OR	ON	2010/05/06 14:13
S51	1	"20060162765"	US-PGPUB; USPAT	OR	ON	2010/05/06 14:13
S52	173	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3))) and @py< "2007" and (dye with sensitized)	US-PGPUB; USPAT	OR	ON	2010/05/06 14:18
S53	49	S52 not S47	US-PGPUB; USPAT	OR	ON	2010/05/06 14:18
S54	4717	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3 or plat\$3))) and (metal with oxide) and pulse	US-PGPUB; USPAT	OR	ON	2010/05/06 16:06
S55	1143	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3 or plat\$3))) and (metal with oxide) and (pulse with (plat\$3 or deposit\$4))	US-PGPUB; USPAT	OR	ON	2010/05/06 16:07

S56	444	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3 or plat\$3))) and (metal with oxide) and (pulse with (plat\$3 or deposit\$4)) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2010/05/06 16:07
S57	110	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3 or plat\$3))) same (metal with oxide) and (pulse with (plat\$3 or deposit \$4)) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2010/05/06 16:07
S58	32	(electrodeposit\$3 or electro\$1deposit\$3 or electro-deposit\$3 or electroplat\$3 or electro \$1plat\$3 or electro-plat\$3 or (electrolytic\$4 near1 (treat\$4 or deposit\$3 or plat\$3))) same (metal with oxide) and (pulse with (plat\$3 or deposit \$4)) and @py<"2005" and reverse	US-PGPUB; USPAT	OR	ON	2010/05/06 16:08

**EAST Search History (Interference)**

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